

**To:** McComb, Martin[McComb.Martin@epa.gov]; Nattis, Randy[Nattis.Randy@epa.gov]  
**From:** Delgado, Eric  
**Sent:** Sat 8/8/2015 7:51:49 PM  
**Subject:** Fwd: Water Quality Criteria - Animas River  
Animas River (NM) - WQC.xlsx  
ATT00001.htm

This is what was provided to me. I'm not sure how useful it is. We need someone to establish the DQOs so we know what we need to use to generate data summary reports for the EU people

Sent from my iPhone

Begin forwarded message:

**From:** "Restivo, Angela" <[Restivo.Angela@epa.gov](mailto:Restivo.Angela@epa.gov)>  
**Date:** August 8, 2015 at 09:54:32 CDT  
**To:** "Delgado, Eric" <[Delgado.Eric@epa.gov](mailto:Delgado.Eric@epa.gov)>, "Loesel, Matthew" <[loesel.matthew@epa.gov](mailto:loesel.matthew@epa.gov)>, "Janine.Latham@WestonSolutions.com" <[Janine.Latham@WestonSolutions.com](mailto:Janine.Latham@WestonSolutions.com)>  
**Cc:** "Rauscher, Jon" <[Rauscher.Jon@epa.gov](mailto:Rauscher.Jon@epa.gov)>, "Turner, Philip" <[Turner.Philip@epa.gov](mailto:Turner.Philip@epa.gov)>, "Martin, John" <[martin.john@epa.gov](mailto:martin.john@epa.gov)>, "Petersen, Chris" <[petersen.chris@epa.gov](mailto:petersen.chris@epa.gov)>, "Foster, Althea" <[Foster.Althea@epa.gov](mailto:Foster.Althea@epa.gov)>, "Crossland, Ronnie" <[Crossland.Ronnie@epa.gov](mailto:Crossland.Ronnie@epa.gov)>, "Webster, Susan" <[webster.susan@epa.gov](mailto:webster.susan@epa.gov)>, "david.crow@westonsolutions.com" <[david.crow@westonsolutions.com](mailto:david.crow@westonsolutions.com)>  
**Subject: FW: Water Quality Criteria - Animas River**

Here are the water quality standards data for both rivers.

**From:** McCoy, Melinda  
**Sent:** Friday, August 07, 2015 2:36 PM  
**To:** Brown, Jamesr; Kirkland, Robert; McCasland, Mark; Garcia, David; Restivo, Angela  
**Cc:** Foster, Althea; Crossland, Ronnie; Webster, Susan; Martinez, Maria; Crocker, Philip; Nelson, Russell  
**Subject:** Water Quality Criteria - Animas River

Hi Everyone,

Earlier this morning, David and Maria asked me to compile the WQS applicable to the

Animas River, and to identify any previous water quality impairments (303d listings) identified. Earlier today, I sent them a list of the applicable designated uses and the 303(d) listing information (see emails forwarded below).

Additionally, I have compiled an Excel spreadsheet showing the water quality criteria applicable to the two Animas River segments. Please see attached Excel file.

Thanks,

Melinda

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Melinda McCoy, Environmental Scientist

Water Quality Standards Program

USEPA Region 6 (6WQ-EW)

1445 Ross Ave., Ste. 1200

Dallas, TX 75202

214-665-8055 (phone)

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[mccoy.melinda@epa.gov](mailto:mccoy.melinda@epa.gov)

**From:** McCoy, Melinda  
**Sent:** Friday, August 07, 2015 11:31 AM  
**To:** Garcia, David; Martinez, Maria; Brown, Jamesr  
**Cc:** Nelson, Russell  
**Subject:** Animas River WQS

Hi David and Maria,

The Animas River is a considered classified water. It is split into 2 segments between the NM/CO state line and it's confluence with the San Juan River. Estes Arroyo is the dividing line between the 2 segments. (See NMAC 20.6.4.403-404).

The table below shows the designated uses applicable to these 2 segments:

**Animas from confluence with Animas from Estes Arroyo  
San Juan upstream to Estes upstream to NM/CO line  
Arroyo**

Marginal coldwater and warmwater	Coldwater
Primary Contact	Primary Contact
Public Water Supply	Public Water Supply
Industrial Water Supply	Industrial Water Supply
Irrigation	Irrigation
Livestock watering	Livestock watering
Wildlife Habitat	Wildlife Habitat

The criteria applicable to each of these designated uses can be found in NMAC 6.4.900 (see attachment). I can compile all of this into an Excel spreadsheet, but for the sake of time, I'm just including the attachment right now.

Note that the DO, temperature, and pH criteria differ for each aquatic life use:

**Coldwater:** dissolved oxygen 6.0 mg/L or more, 6T3 temperature 20°C (68°F), maximum temperature 24°C (75°F) and pH within the range of 6.6 to 8.8. Where a single segment-specific temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature and no 6T3 temperature applies.

**Marginal Coldwater:** dissolved oxygen 6 mg/L or more, 6T3 temperature 25°C (77°F), maximum temperature 29°C (84°F) and pH within the range from 6.6 to 9.0. Where a single

segment-specific

temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature and no 6T3 temperature applies.

**Warmwater:** dissolved oxygen 5 mg/L or more, maximum temperature 32.2°C (90°F) and pH within the range of 6.6 to 9.0. Where a segment-specific temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature.

I'll send you the 303d information as soon as I gather it.

Thanks,

Melinda

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Melinda McCoy, Environmental Scientist

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**From:** McCoy, Melinda

**Sent:** Friday, August 07, 2015 11:44 AM  
**To:** Garcia, David; Martinez, Maria; Brown, James  
**Cc:** Nelson, Russell  
**Subject:** Animas 303d listings (2014-2016 reporting cycle)

Hi David, Maria, and Jim,

From New Mexico's 2014-2016 Integrated Report. Here are the impairments identified for the Animas River (categories 4 and 5).

8- digitHUC	AU_II USGSName HUC	AU Name	WATERQS SIZE refer	IR IMPAIRMENT Category	STATUS (by AU)	EPA TMDL	FIRS Approval Date	CYC
14080104	NM- 2404_00	Animas River (Estes Royo to So. Ute Indian Tribe bnd)	18.8 MILES 2404	404i	5/5B	TMDL Completed	2013-09-2012 00:00:00	30
14080104	NM- 2404_00	Animas River (Estes Royo to So. Ute Indian Tribe bnd)	18.8 MILES 2404	404phosphorus,5/5B total	5/5B	TMDL Completed	2013-09-2012 00:00:00	30
14080104	NM- 2404_00	Animas River (Estes Royo to So. Ute Indian Tribe bnd)	18.8 MILES 2404	404temperature/5B	List (no TMDL in place)		303(d)	1998
14080104	NM- 2404_00	Animas River (Estes Royo to So. Ute Indian Tribe bnd)	18.8 MILES 2404	404dissolved	5/5B	List (no TMDL in place)		2012
14080104	NM- 2403.400	Animas River (San Juan River to Estes Arroyo)	16.8 MILES 2403.400	404i	4A	TMDL Completed	2013-09-2012 00:00:00	30
14080104	NM- 2403.400	Animas River (San Juan River to Estes Arroyo)	16.8 MILES 2403.400	403ent/Eutrophication	4A	TMDL Completed	2006-01-2004 00:00:00	17
14080104	NM- 9000.B006	Animas River (San Juan River to Estes Arroyo) NM- Farmington	16.8 MILES 9000.B006	403temperature	4A	TMDL Completed	2013-09-2012 00:00:00	30
14080104			198ACRES M109	403dissolved	5/5A	List (no TMDL in place)	303(d)	2004

(Beeline Reservoir)

fish tissue

TMDL in  
place)

### **Category Description**

**4A** Available data and/or information indicate that at least one designated or existing use is not being supported, but a Total Maximum Daily Load (TMDL) is not needed because TMDLs have been already been established.

**5A** Available data and/or information indicate that at least one designated or existing use is not being supported and necessary TMDLs are underway or scheduled.

**5B** Available data and/or information indicate that at least one designated or existing use is not being supported and a review of the water quality standard will be conducted to verify appropriateness.

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